

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/533,589
				Filing Date	2005-05-03
				First Named Inventor	PROCTOR, Jr.; James A.
				Art Unit	2617
				Examiner Name	THIER; Michael
Sheet	1	of	5	Attorney Docket No: 080588	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	001	US5963847	10-05-1999	ITO; Kazuhito, et al.	
	002	US6563468	05-13-2003	HILL; Robert, et al.	
	003	US6664932	12-16-2003	SABET; Kazem F., et al.	
	004	US6788256	09-07-2004	HOLLISTER; John E.	
	005	US6888881	05-03-2005	NAGANO; Junichi	
	006	US7058071	06-06-2006	MYLES; Andrew F., et al.	
	007	US7457587	11-25-2008	CHUNG; Hee-Sok	
	008	US7729669	06-01-2010	VAN BUREN; V. Alan, et al.	
	009	US20030063583	04-03-2003	PADOVANI; Roberto, et al.	
	010	US20030124976	07-03-2003	TAMAKI; Tsuyoshi, et al.	
	011	US20050190822	09-01-2005	FUJII; Hiromasa, et al.	
	012	US20060028388	02-09-2006	SCHANTZ; Hans Gregory	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	013	JP02100358	04-12-1990	TOSHIBA CORP .		<input checked="" type="checkbox"/>
	014	JP03021884	01-30-1991	MITSUBISHI ELECTRIC CORP .		<input checked="" type="checkbox"/>
	015	JP06013947	01-21-1994	NEC CORP .		<input checked="" type="checkbox"/>

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/533,589
				Filing Date	2005-05-03
				First Named Inventor	PROCTOR, Jr.; James A.
				Art Unit	2617
				Examiner Name	THIER; Michael
Sheet	2	of	5	Attorney Docket No: 080588	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
		Country Code ³ - Number ⁴ Kind Code ⁵ (if known)				
	016	JP08274706	10-18-1996	KYOCERA CORP .		<input checked="" type="checkbox"/>
	017	JP09214418	08-15-1997	MATSUSHITA ELECTRIC WORKS LTD.		<input checked="" type="checkbox"/>
	018	JP10107727	04-24-1998	HITACHI LTD .		<input checked="" type="checkbox"/>
	019	JP10135892	05-22-1998	mitsubishi electric corp.		<input checked="" type="checkbox"/>
	020	JP11298421A	10-29-1999	JAPAN BROADCASTING CORP .		<input type="checkbox"/>
	021	JP2000236290	08-29-2000	NEC ENG LTD.		<input checked="" type="checkbox"/>
	022	JP2001016152	01-19-2001	MITSUBISHI ELECTRIC CORP .		<input type="checkbox"/>
	023	JP2001136115A	05-18-2001	MITSUBISHI ELECTRIC CORP .		<input type="checkbox"/>
	024	JP2002271255	09-20-2002	TOSHIBA DIGITAL MEDIA ENGINEERING CORP.		<input checked="" type="checkbox"/>
	025	JP2003174394	06-20-2003	HITACHI KOKUSAI ELECTRIC INC.		<input checked="" type="checkbox"/>
	026	JP2003198442	07-11-2003	HITACHI LTD., et al.		<input checked="" type="checkbox"/>
	027	JP2003244050	08-29-2003	HITACHI CABLE LTD, et al.		<input checked="" type="checkbox"/>
	028	JP2004056210A	02-19-2004	MATSUSHITA ELECTRIC IND CO LTD .		<input checked="" type="checkbox"/>
	029	JP2004328666	11-18-2004	MATSUSHITA ELECTRIC WORKS LTD.		<input checked="" type="checkbox"/>
	030	JP2005072646	03-17-2005	TOSHIBA CORP., et al.		<input type="checkbox"/>
	031	JP2005110150A	04-21-2005	NIPPON TELEGRAPH & TELEPHONE.		<input type="checkbox"/>

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/533,589
				Filing Date	2005-05-03
				First Named Inventor	PROCTOR, Jr.; James A.
				Art Unit	2617
				Examiner Name	THIER; Michael
Sheet	3	of	5	Attorney Docket No: 080588	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
		Country Code ³ - Number ⁴ Kind Code ⁵ (if known)				
	032	JP2005236626A	09-02-2005	NTT DOCOMO INC .		<input checked="" type="checkbox"/>
	033	JP2005531202	10-13-2005	WIDEFI, INC. [US]		<input checked="" type="checkbox"/>
	034	JP2005531265	10-13-2005	QUALCOMM INCORPORATED [US]		<input checked="" type="checkbox"/>
	035	JP2006503481	01-26-2006	QUALCOMM INCORPORATED [US]		<input checked="" type="checkbox"/>
	036	JP2006505146	02-09-2006	QUALCOMM INCORPORATED [US]		<input checked="" type="checkbox"/>
	037	JP7131401	05-19-1995	NIPPON TELEGRAPH & TELEPHONE.		<input checked="" type="checkbox"/>
	038	JP9130322A	05-16-1997	KOKUSAI ELECTRIC CO LTD .		<input checked="" type="checkbox"/>
	039	JP9162801	06-20-1997	R C S KK.		<input checked="" type="checkbox"/>
	040	WO0199308	12-27-2001	MITSUBISHI ELECTRIC CORP [JP]		<input checked="" type="checkbox"/>
	041	WO2004001892A2	12-31-2003	TANTIVY COMM INC [US]		<input type="checkbox"/>
	042	WO2004002014	12-31-2003	QUALCOMM INCORPORATED [US]		<input type="checkbox"/>
	043	WO2004004365	01-08-2004	QUALCOMM INCORPORATED [US]		<input type="checkbox"/>
	044	WO2004036789	04-29-2004	WIDEFI, INC. [US]		<input type="checkbox"/>
	045	WO2005115022	12-01-2005	WIDEFI, INC. [US]		<input type="checkbox"/>
	046	WO9715991	05-01-1997	NIPPON TELEGRAPH & TELEPHONE.		<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/533,589
				Filing Date	2005-05-03
				First Named Inventor	PROCTOR, Jr.; James A.
				Art Unit	2617
				Examiner Name	THIER; Michael
Sheet	4	of	5	Attorney Docket No: 080588	

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
	047	Translation of Office Action in Japanese application 2007-513349 corresponding to US application 11/546,242, citing WO04032362, WO2004001986, JP09214418, JP07131401, JP2004056210, JP2000082983, JP09130322, JP2003244050, JP2003198442, US6377612, JP2006503481, JP2002111571, JP09162801, JP2005531202, WO2004001892 and JP10107727 dated 2010-11-16 (080592JP) .	<input type="checkbox"/>
	048	Translation of Office Action in Japanese application 2009-503041, corresponding to US application 11/730,361, citing W005115022, JP10-135892, JP2005-531265, 2006-503481, JP2005-531202 AND JP2006-505146. Dated 2010-10-26 (080600JP).	<input type="checkbox"/>
	049	Translation of Office Action in Japanese application 2009-526736 corresponding to US application 12/307,801, citing US20040110469, US20060019603, JP2005072646, JP2001016152, JP11298421, JP2001136115, JP2005110150, JP2005236626, WO9715991 and WO0199308 dated 2011-01-04 (080606JP) .	<input type="checkbox"/>
	050	Translation of Office Action in Korean application 2009-7010639, corresponding to US application 12/439,018, citing WO01052447 and US2004/0208258, Dated 2010-11-15 (080608KR).	<input type="checkbox"/>

EXAMINER SIGNATURE**DATE CONSIDERED**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.